# Civil Engineering

**Graduates of our Civil Engineering program** are able to design effective solutions to engineering problems, understand the mathematics and physical phenomena of their field, and recognize state-of-the-art engineering equipment and methods relevant to their field. Civil engineers that graduate from Geneva are able to work in their companies and communities to develop safe and sustainable infrastructure. Beyond, receiving a high-end technical education, students in this program will also learn how to approach every aspect of their vocation from a Christian worldview.

scan to learn more

# Civil Engineering
## *Example 4-Year Plan**

|  | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 |
|---|---|---|---|---|
| **Legend** | | Core (yellow) | Major (dark gold) | Elective (outline) |

**FALL SEMESTER**

| YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 |
|---|---|---|---|
| **CHM 111** General College Chem | **EGR 211** Solid Mechanics | **CIE 201** Geomatics Engineering | **CIE 451** Urban Hydrology |
| **EGR 100** Calling and Vocation | **MAT 261** Calculus III | **EGR 330** Thermal Fluid Sciences | Civil Engineering Elective |
| **MAT 161** Calculus I | **MAT 265** Probability and Statistics | **EGR 331** Thermal Fluid Sciences Lab | **EGR 401** Christian Ethics and Engineering |
| **EGR 101/102** Intro to Engineering | **PHY 201** College Physics I | Math/Science Elective | **EGR 481** Senior Design Project |
| **BIB 112** Old Testament Intro | **HUM 103** Invitation to Humanities | Society: Group B or C | Engineering Elective |
| **ENG 101** English Composition | **HUM 203** Making the West | **HUM 303** Perspecitves | **ECO 270** Princ Microeconomics |

**SPRING SEMESTER**

| YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 |
|---|---|---|---|
| **BIB 113** New Testament Intro | **CIE 231** Structural Analysis | **BIB 300** Biblical Worldview | **PED 103** Physical Fitness |
| Reason and Rhetoric Option | **EGR 212** Linear Circuit Analysis I | **CIE 407** Geotechnical Engineering | **POL 352** Great Issues in Politics |
| **EGR 101/102** Intro to Engineering | **MAT 405** Differential Equations | Civil Engineering Elective | Civil Engineering Elective |
| **CHM 221** Organic Chemistry I | **PHY 202** College Physics II | **EGR 332** Fluid Mechanics | **EGR 482** Senior Design Project |
| **MAT 162** Calculus II | | | Engineering Elective |
| | | | Elective |

*Courses listed are examples and subject to change. Your class schedule will be developed with an advisor and may differ from what is listed above.

07-24